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| FORM PTO-1390 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE<br>(REV 5-93)  |   | ATTORNEY'S DOCKET NUMBER<br>016782-0308  |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371  |   | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br>Unassigned<br><b>10/500855</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP03/01516   | INTERNATIONAL FILING DATE<br>01/29/2003 | PRIORITY DATE CLAIMED<br>01/30/2002  |
| TITLE OF INVENTION<br>HEATING IN A VACUUM ATMOSPHERE IN THE PRESENCE OF A PLASMA  |   |  |
| APPLICANT(S) FOR DO/EO/US<br>Wilmert DE BOSSCHER Jurgen DENUL, Guy GOBIN, Bart PERSOONE and Joachim DOEHLER   |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |   |  |
| <p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p style="margin-left: 20px;"><input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 20px;"><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p style="margin-left: 20px;"><input type="checkbox"/> is attached hereto.</p> <p style="margin-left: 20px;"><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 20px;"><input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau).</p> <p style="margin-left: 20px;"><input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 20px;"><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> |   |  |
| Items 11 to 20 below concern other document(s) or information included:   |   |  |
| <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input type="checkbox"/> Other items or information: OTHER</p>   |   |  |

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| (If known, see 37 C.F.R. 1.50<br>Unassigned <b>18/500855</b>   |                 | INTERNATIONAL APPLICATION NO.<br>PCT/EP03/01516 |  | ATTORNEY'S DOCKET NUMBER<br>016782-0308 |  |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:  |                 |   |  | <b>CALCULATIONS</b>                     |  |
| <b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5):</b><br>Neither international preliminary examination fee (37 CFR 1.482)<br>nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO<br>and International Search Report not prepared by the EPO or JPO..... \$1,080.00<br>International preliminary examination fee (37 CFR 1.482) not paid to<br>USPTO but International Search Report prepared by the EPO or JPO..... \$920.00<br>No international preliminary examination fee (37 CFR 1.482) not paid to USPTO<br>but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$770.00<br>International preliminary examination fee (37 CFR 1.482) paid to USPTO<br>but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$730.00<br>International preliminary examination fee (37 CFR 1.482) paid to USPTO<br>and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00   |                 |   |  | <b>PTO USE ONLY</b>                     |  |
| <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>  |                 |   |  | \$ 920.00                               |  |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months<br>from the earliest claimed priority date (37 CFR 1.492(e))   |                 |   |  | \$ 0.00                                 |  |
| CLAIMS   | NUMBER<br>FILED | NUMBER EXTRA                                    | RATE   | \$                                      |  |
| Total Claims   | 13 - 20 =       | 0   | x \$ 18.00   | \$ 0.00                                 |  |
| Independent Claims   | 3 - 3 =         | 0   | x \$ 86.00   | \$ 0.00                                 |  |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |                 |   |  | + \$ 290.00                             |  |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |                 |   |  | \$ 920.00                               |  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees<br>indicated above are reduced by 1/2.  |                 |   |  | + \$ 0.00                               |  |
| <b>SUBTOTAL =</b>  |                 |   |  | \$ 920.00                               |  |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months<br>from the earliest claimed priority date (37 CFR 1.492(f)).   |                 |   |  | \$                                      |  |
| <b>TOTAL NATIONAL FEE =</b>  |                 |   |  | \$ 920.00                               |  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be<br>accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property  |                 |   |  | \$ 40.00                                |  |
| <b>TOTAL FEES ENCLOSED =</b>   |                 |   |  | \$ 960.00                               |  |
|  |                 |   |  | <b>Amount to be<br/>refunded:</b>       |  |
|  |                 |   |  | <b>charged:</b>                         |  |
| a. <input checked="" type="checkbox"/> A check in the amount of <u>\$960.00</u> to cover the above fees is enclosed.<br>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>19-0741</u> in the amount of _____ to cover the above fees.<br>A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any<br>overpayment to Deposit Account No. <u>19-0741</u> . A duplicate copy of this sheet is enclosed.<br>d. <input type="checkbox"/> Fees are to be charge to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card<br/>         information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.<br><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR<br/>         1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b> |                 |   |  |   |  |
| SEND ALL CORRESPONDENCE TO:  |                 |   |  |   |  |
| Foley & Lardner LLP<br>Customer Number: 22428  |                 |   | SIGNATURE<br><br>Glenn Law<br>NAME<br>34,371<br>REGISTRATION NUMBER |   |  |